PATENT APPL	ICATION	SERIAL	NO.
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## U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE FEE RECORD SHEET

11/19/2 3 HMRRZI1: 00000076 10712993:

01 FC:1001 02 FC:1201 03 FC:1999

770.00 DP 172.00 DP ---<del>80.00 DP</del>

Adjustment date: 12/05/2003 SLUANG1 11/19/2003 HMARZII 00000076 10712993 03 FC:1999 -80.00 GP

12/05/2003 SLUANG1 00000042 061205 10712993 01 FC:1201 178.00 DA 80.00 GP

03/23/2004 SDIRETA1 00000007 10712993

01 FC:1201

6.00 DA

80.00 OP

PTO-1556 (5/87)

## PATENT APPLICATION FEE DETERMINATION RECORD

Effective October 1, 2003

Application or Docket Number

10 712993

		CLAIMS AS	FILED - (Column			mn 2)		SMALL EN	NTITY □	OR	OTHER SMALL	
TOTAL CLAIMS		7				ŀ	RATE	FEE	1	RATE	FEE	
FOR			NUMBER FILED .		NUMB	ER EXTRA		BASIC FEE	385.00	OR	BASIC FEE	770.00
TOTAL CHARGEABLE CLAIMS			7 minus 20= *				X\$ 9=		OR	X\$18=		
INDEPENDENT CLAIMS minus				nus 3 =	* <			X43=		OR	X86=	258
MULTIPLE DEPENDENT CLAIM PRESENT								+145=			+290=	VŮ
* If the difference in column 1 is less than zero, enter					"0" in c	olumn 2				OR	TOTAL	1620
			MENDED - PART II				TOTAL		OR	OTHER	THAN	
		(Column 1)	MENDED	(Colum		(Column 3)	_	SMALL E	ENTITY	OR	SMALL	
NT A		CLAIMS REMAINING AFTER AMENDMENT		HIGHI NUME PREVIO PAID I	BER OUSLY	PRESENT EXTRA		RATE	ADDI- TIONAL FEE	-	RATE	ADDI- TIONAL FEE
MQ	Total	*	Minus	**		=	] [	X\$ 9=		OR	X\$18=	
AMENDMENT	Independent	*	Minus	***	,	=	] [	X43=		OR	X86=	
	FIRST PRESE	NTATION OF M	JLTIPLE DEF	PENDENT	CLAIM		ل	+145=		OR	+290=	
								TOTAL			TOTAL	
	•						#	ADDIT. FEE		١٠٠٠	ADDIT. FEE	
		(Column 1)		(Colun	nn 2)	(Column 3)	)					
ENT B		(Column 1)  CLAIMS  REMAINING  AFTER  AMENDMENT		(Colun HIGHI NUME PREVIO PAID I	EST BER DUSLY	PRESENT EXTRA	] [	RATE	ADDI- TIONAL FEE		RATE	ADDI- TIONAL FEE
	Total ·	CLAIMS REMAINING AFTER	Minus	HIGHI NUME PREVIO	EST BER DUSLY	PRESENT		RATE X\$ 9=	TIONAL	OR	RATE X\$18=	TIONAL
	Independent	CLAIMS REMAINING AFTER AMENDMENT	Minus	HIGHI NUME PREVIO PAID I	EST BER DUSLY FOR	PRESENT EXTRA			TIONAL			TIONAL
AMENDMENT B	Independent	CLAIMS REMAINING AFTER AMENDMENT	Minus	HIGHI NUME PREVIO PAID I	EST BER DUSLY FOR	PRESENT EXTRA		X\$ 9=	TIONAL	OR OR	X\$18=	TIONAL
	Independent	CLAIMS REMAINING AFTER AMENDMENT	Minus	HIGHI NUME PREVIO PAID I	EST BER DUSLY FOR	PRESENT EXTRA		X\$ 9= X43=	TIONAL	OR OR	X\$18= X86=	TIONAL
	Independent	CLAIMS REMAINING AFTER AMENOMENT  * NTATION OF MU  (Column 1)	Minus	HIGHI NUME PREVIO PAID I	EST BER BUSLY FOR  CLAIM	PRESENT EXTRA		X\$ 9= X43= +145= TOTAL	TIONAL	OR OR	X\$18= X86= +290=	TIONAL
C AMENDMENT	Independent	CLAIMS REMAINING AFTER AMENOMENT  * NTATION OF ML	Minus	HIGHI NUME PREVIO PAID I	EST BER DUSLY FOR  CLAIM  On 2) EST BER DUSLY	PRESENT EXTRA		X\$ 9= X43= +145= TOTAL ADDIT. FEE	TIONAL	OR OR	X\$18= X86= +290=	TIONAL
C AMENDMENT	Independent FIRST PRESE	CLAIMS REMAINING AFTER AMENDMENT  * NTATION OF ML  (Column 1) CLAIMS REMAINING AFTER	Minus	HIGHI NUME PREVIO PAID I	EST BER DUSLY FOR  CLAIM  On 2) EST BER DUSLY	PRESENT EXTRA  =  (Column 3)		X\$ 9= X43= +145= TOTAL ADDIT. FEE	ADDI- TIONAL	OR OR	X\$18= X86= +290= TOTAL ADDIT. FEE	ADDI- TIONAL
C AMENDMENT	Independent FIRST PRESE  Total Independent	CLAIMS REMAINING AFTER AMENDMENT  * NTATION OF MU  (Column 1) CLAIMS REMAINING AFTER AMENDMENT  *	Minus  UTIPLE DEF	HIGHI NUME PREVIO PAID I	EST BER DUSLY FOR  CLAIM  Ann 2) EST BER BUSLY FOR	PRESENT EXTRA		X\$ 9= X43= +145= TOTAL ADDIT. FEE	ADDI- TIONAL	OR OR OR	X\$18= X86= +290= TOTAL ADDIT. FEE	ADDI- TIONAL
AMENDMENT	Independent FIRST PRESE  Total Independent	CLAIMS REMAINING AFTER AMENOMENT  * NTATION OF ML  (Column 1) CLAIMS REMAINING AFTER AMENDMENT  *	Minus  UTIPLE DEF	HIGHI NUME PREVIO PAID I	EST BER DUSLY FOR  CLAIM  Ann 2) EST BER BUSLY FOR	PRESENT EXTRA  =  (Column 3)  PRESENT EXTRA		X\$ 9= X43= +145= TOTAL ADDIT. FEE RATE X\$ 9= X43=	ADDI- TIONAL	OR OR OR	X\$18=  X86=  +290=  TOTAL ADDIT. FEE  RATE  X\$18=  X86=	ADDI- TIONAL
- AMENDMENT C AMENDMENT	Independent FIRST PRESE  Total Independent FIRST PRESE	CLAIMS REMAINING AFTER AMENDMENT  * NTATION OF MU  (Column 1) CLAIMS REMAINING AFTER AMENDMENT  * NTATION OF MU  mn 1 is less than the	Minus  Minus  Minus  Minus  JLTIPLE DEF	HIGHI NUME PREVIO PAID I  ***  COlum HIGHI NUME PREVIO PAID I  ***  PENDENT	EST BER DUSLY FOR  CLAIM  CLAIM  TO' in col	PRESENT EXTRA  =  (Column 3)  PRESENT EXTRA  =  =		X\$ 9= X43= +145= TOTAL ADDIT. FEE RATE X\$ 9=	ADDI- TIONAL	OR OR OR OR	X\$18= X86= +290= TOTAL ADDIT. FEE  RATE X\$18=	ADDI- TIONAL
AMENDMENT C AMENDMENT	Independent FIRST PRESE  Total Independent FIRST PRESE  If the entry in column of the "Highest Number 11 independent of the "Highest Number 11 ind	CLAIMS REMAINING AFTER AMENDMENT  * NTATION OF MU  (Column 1) CLAIMS REMAINING AFTER AMENDMENT  * NTATION OF MU	Minus  Minus  Minus  Minus  JLTIPLE DEF	HIGHI NUME PREVIO PAID I  ***  ***  COlum HIGHI NUME PREVIO PAID I  ***  ***  PENDENT  ***  ***  ***  ***  PENDENT	CLAIM  CLAIM  CLAIM  CLAIM  CLAIM  CLAIM  CLAIM  CLAIM  CLAIM  CLAIM	PRESENT EXTRA  =  (Column 3)  PRESENT EXTRA  =  =  100  100  100  100  100  100  1		X\$ 9=  X43=  +145=  TOTAL ADDIT. FEE  X\$ 9=  X43=  +145=  TOTAL ADDIT. FEE	ADDI- TIONAL FEE	OR OR OR OR OR	X\$18=  X86=  +290=  TOTAL ADDIT. FEE  X\$18=  X86=  +290=  TOTAL ADDIT. FEE	ADDI- TIONAL